

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:  
Box 3667  
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES  
JAMES L. CALVER, COMMISSIONER  
WATER WELL COMPLETION REPORT

OFFICE ADDRESS:  
McCormick Road  
Charlottesville, Virginia

OWNER: Woodhaven Water Company Mailing Address: Quinton, Virginia

TENANT: Woodhaven Shores - Well #2 Mailing Address: P. O. Box 27186

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: Richmond, VA. 23261

WELL LOCATION: County New Kent (Providence Forge) Approx. 100 <sup>feet</sup> ~~xxxx~~ West (direction) of Center Line of Maple Road and 78 <sup>feet</sup> ~~xxxx~~ Northeast (direction) of Center Line of Birch Road

(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC. - ON COUNTY HIGHWAY OR OTHER MAP.)

DATE STARTED: 12/7/71 DATE COMPLETED: 1/17/72

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 400 feet

WATER LEVEL: Stands 119 feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method Turbine  
Drawdown 20 feet  
Rate 187 gal. per min.  
Duration 12 hrs., \_\_\_\_\_ min.

HOLE SIZE: 16 inches from 0 to 50 feet  
12 inches from 50 to 380 feet  
9 7/8 inches from 380 to 400 feet

WATER ZONES: from 304 to 324 feet  
from 336 to 346 feet  
from 354 to 364 feet

SCREEN SIZE: 6 inches from 304 to 324 feet  
6 inches from 336 to 346 feet  
6 inches from 354 to 364 feet

WATER: Color Clear Taste \_\_\_\_\_  
Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

CASE SIZE: 6 inches from +2 to 304 feet  
6 inches from 324 to 336 feet  
6 inches from 346 to 354 feet  
6 inches from 364 to 370 feet

WELL TO SUPPLY: (check one) Home \_\_\_\_\_  
Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_  
Industry \_\_\_\_\_ Other Subdivision

GROUTING: Method Pressure  
Material Cement and water Depth 100 feet

WATER ANALYSIS AVAILABLE: Yes X No \_\_\_\_\_

PUMP: Type \_\_\_\_\_  
Capacity \_\_\_\_\_ gal per min  
Depth of intake \_\_\_\_\_ feet

DRILL CUTTINGS SAVED: 40 Yes X No \_\_\_\_\_

(DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT INTERVALS. THESE SAMPLES MAY BE SHIPPED TO THIS OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHED FREE OF CHARGE UPON REQUEST.)

REMARKS: Electric and gamma logs ran by driller

# LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc.

DATE: 1/17/72

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED ( gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	2	Top soil	
2	8	Red clay, gravel and sand	
8	25	Fine red sand	
25	85	Blue clay and shells mixed	
85	95	Blue clay, some sand and shells	
95	121	Gray clay, gravel and black sand, small gravel, shells	
121	146	Gray and black sand, shells with some clay	
146	171	Dark gray clay, some black sand and shells	
171	196	Gray clay	
196	221	Gray clay and black sand mixed	
221	271	Black sand, dark gray clay and few shells	
271	296	Coarse gray sand, small gravel and some light gray clay mix.	
296	321	Gray sand	
321	346	Gray sand, small gravel with white and gray clay	
346	364	Gray sand	
364	389	White, gray and red sand	
389	400	Red clay	

(Use additional forms if necessary)

VIRGINIA DIVISION OF MINERAL RESOURCES  
 Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

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Well Repository No: W#: 3567  
 C#: 75

Date rec'd: 2/22/72 Date Processed: 7/21/72

Sample Interval: from:0 to: 400'

PROPERTY: Woodhaven Water Company  
 (Woodhaven Shores - Well #2)

Number of samples: 40

COMPANY: Sydnor Hydrodynamics, Inc.

Total Depth: 400'

COUNTY: New Kent (Quinton)

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
0 - 10	250- 260	-	-
10 - 20	260- 270	-	-
20 - 30	270- 280	-	-
30 - 40	280- 290	-	-
40 - 50	290- 300	-	-
50 - 60	300- 310	-	-
60 - 70	310- 320	-	-
70 - 80	320- 330	-	-
80 - 90	330- 340	-	-
90 - 100	340- 350	-	-
100 - 110	350 - 360	-	-
110 - 120	360 - 370	-	-
120 - 130	370 - 380	-	-
130 - 140	380 - 390	-	-
140 - 150	390 - 400	-	-
150 - 160	-	-	-
160 - 170	-	-	-
170 - 180	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
240 - 250	-	-	-

All intervals have both washed and unwashed samples.

OWNER: Woodhaven Water Co.  
(Woodhaven Shores - Well #2)  
DRILLER: Sydnor Hydrodynamics  
COUNTY: New Kent (Quinton)

W#: 3567  
C#: 75  
TOTAL DEPTH: 400'  
QUAD.: Providence Forge  
or Roxbury

GEOLOGIC LOG

Depth  
(feet)

- 0-10 Sand — dark yellowish orange; slightly stained; slightly clayey; coarse grained, some medium grains; subangular to subrounded; moderately well sorted; quartz; feldspar; some opaques; few grains of glauconite.
- 10-20 Sand — very dark yellowish orange; slightly stained, some very heavily stained; slightly clayey; medium to coarse grained; subangular to subrounded; moderately well sorted; quartz; feldspar; some glauconite; few opaques; few shell fragments; muscovite.
- 20-30 Sand — olive light gray; moderate clay; very fine to very coarse grained, some granules; subangular to subrounded; poorly sorted; quartz; 15% shell fragments; 10% ferricrete; few black phosphatic fragments inc. shark's tooth; muscovite; foram.
- 30-40 As above except 25% shell fragments inc. gastropods; no foram.
- 40-50 Clay — olive light gray; some medium grained sand; abundant granules; subangular to subrounded; moderately well sorted; 35% shell fragments; quartz; few black phosphatic fragments; few grains of glauconite; forams (inc. Buccella, Nonion, and Quinqueloculina).
- 50-60 As above except moderate fine to coarse grained sand; no Nonion.
- 60-70 As above except 20% shell fragments inc. gastropods; some limestone fragments; forams scarce (inc. Textularia and Buccella).
- 70-80 Clay and granules — olive light gray; moderate sand; very fine to coarse grained, 30% granules, some pebbles; subangular to subrounded; poorly sorted; quartz; 10% shell fragments; some glauconite; few black phosphatic fragments; forams scarce (inc. Amphistegina).
- 80-90 Sand — olive light gray; abundant clay; very fine to medium grained, some coarse grains, some granules, few pebbles; subangular to subrounded; poorly sorted; quartz; 3% black phosphatic material; 2% shell fragments; forams rare (inc. Buccella).

OWNER: Woodhaven Water Co.

(Woodhaven Shores - Well #2) -2-

W#: 3567

Depth  
(feet)

- 90-100 Sand — olive light gray; moderate clay; very fine to coarse grained, 10% granules, some pebbles; subangular to subrounded; poorly sorted; quartz; 7% black phosphatic material; 7% shell fragments inc. gastropods; forams (inc. Buccella and Textularia); few bone fragments; muscovite.
- 100-110 Sand — olive light gray; moderate clay; fine grained to granules, few pebbles; subangular to subrounded; poorly sorted; quartz; 30% sandy limestone and shell fragments; 5% black phosphatic material; some bone fragments; forams scarce (inc. Robulus).
- 110-120 Sand — olive light gray; slightly clayey; medium to coarse grained, some fine grains, 5% granules; subangular to subrounded; moderately sorted; quartz; 40% sandy limestone and shell fragments; 3% black phosphatic material; 2% glauconite (green, black); some bone fragments; some pyrite; forams (inc. Robulus, Pyrulina, and Discorbis ?).
- 120-130 Sand and coquina — medium light gray; slightly clayey; medium to very coarse grained, some granules; subangular to subrounded; moderately sorted; quartz; 40% sandy limestone and shell fragments; 15% glauconite (green, black); some pyrite; few black phosphatic fragments; forams scarce (inc. Robulus).
- 130-140 As above except 20% glauconite; few bone fragments; forams (inc. Robulus and Buccella).
- 140-150 As above except medium grained to granular.
- 150-160 Sand — olive light gray; slightly clayey; fine to very coarse grained, some granules; subangular to rounded; poorly sorted; quartz; 20% sandy limestone and shell fragments; 15% glauconite (black, green); ostracodes; forams (inc. Buccella, Robulus, and Discorbis).
- 160-170 As above except 35% glauconite; forams (inc. Robulus and Siphogenerina).
- 170-180 As above plus Globigerina.
- 180-190 Coquina — olive light gray; slightly clayey; moderate sand; fine to coarse grained, some pebbles; subangular to rounded; poorly sorted; 80% sandy limestone and shell fragments; quartz; glauconite 40% of sand sized fraction (black, green); forams rare (inc. Robulus).

OWNER: Woodhaven Water Co.

(Woodhaven Shores - Well #2) -3-

W#: 3567

Depth  
(feet)

- 190-200 Clay — olive light gray, light pinkish orange (some clasts); abundant sand; very fine to medium grained, some granules, some pebbles; subangular to subrounded; poorly sorted; glauconite 60% of sand sized fraction; quartz; 30% sandy limestone and shell fragments; few black phosphatic fragments; forams (inc. Robulus, Buccella, and Siphogenerina); pyrite.
- 200-210 Clay — olive light gray, light orange pink; moderate sand; fine to medium grained, some granules, some pebbles; subangular to rounded; poorly sorted; glauconite 60% of sand sized fraction; quartz; 20% sandy limestone and shell fragments; muscovite; few black phosphatic fragments; forams scarce (inc. Robulus).
- 210-220 Sand — dark greenish gray; abundant clay-olive light gray, light orange pink; medium grained, some coarse grains; rounded; well sorted; 70% glauconite; quartz; 3% shell fragments; some sandy limestone fragments; forams (inc. Marginulina and Nodosaria).
- 220-230 Sand — dark greenish gray; moderate clay-olive light gray, light orange pink; very fine to medium grained; subangular to rounded; moderately well sorted; 50% glauconite; quartz; 3% shell fragments; 2% muscovite; foram.
- 230-240 As above except 5% shell fragments; no foram.
- 240-250 Sand — dark greenish gray; slightly clayey; fine to medium grained; rounded; moderately well sorted; 65% glauconite; quartz; 10% shell fragments; muscovite; forams rare (inc. Nodosaria).
- 250-260 Sand — olive light gray; moderate clay; medium grained to granular, 5% pebbles; subangular to rounded; poorly sorted; quartz; 35% glauconite; 7% shell fragments; some black phosphatic material; muscovite.
- 260-270 Sand — off white; slightly clayey; coarse grained to granular (30%); subrounded; moderately sorted; quartz; feldspar; 3% glauconite; muscovite.
- 270-280 As above except some glauconite.
- 280-290 As above plus some pebbles; 2% glauconite.
- 290-300 Sand — off white; slightly clayey; medium to very coarse grained, some granules, some pebbles; subrounded; poorly sorted; quartz; feldspar; 7% glauconite; few shell fragments; muscovite; few grains of garnet.
- 300-310 Sand — white; coarse grained, few granules; subrounded; well sorted; quartz; feldspar; some glauconite; few grains of garnet; muscovite.

OWNER: Woodhaven Water Co.

(Woodhaven Shores - Well #2) -4-

W#: 3567

Depth  
(feet)

- 310-320 As 300-310 except coarse to very coarse grained.
- 320-330 As above except very coarse grained to granular.
- 330-340 Sand and gravel — off white; moderate clay; coarse grained to granular, 35% pebbles; subrounded; poorly sorted; quartz; feldspar; some glauconite; muscovite.
- 340-350 Sand — white; very coarse grained to granular; subrounded; moderately well sorted; quartz; feldspar; some glauconite; some garnet; muscovite.
- 350-360 Sand — white; coarse to very coarse grained; subrounded; well sorted; quartz; feldspar; few grains of garnet; few grains of glauconite.
- 360-370 Sand — light olive gray; moderate clay; medium to coarse grained, some granules, some pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; 3% glauconite; muscovite; few grains of garnet.
- 370-380 Sand and clay — light reddish brown; moderate clay—light reddish brown, light yellowish gray, dark reddish brown; abundant sand; medium to very coarse grained, some granules; subangular to subrounded; moderately sorted; quartz; feldspar; glauconite 7% of sand sized fraction; muscovite.
- 380-390 Sand — very light olive brown; abundant clay—very light olive brown, light olive gray, dark reddish brown, grayish orange; medium grained to granular, few pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; glauconite 15% of sand sized fraction; some shell fragments; muscovite.
- 390-400 Clay — light brown, very pale yellow, light olive gray; slightly sandy; medium grained to granular; subangular to subrounded; poorly sorted; quartz; feldspar; some glauconite muscovite.

Logged by: Michael T. Currie